

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/01/2021 09:30 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125227	0	2.46	125448	2.44
Blue	F	SSC	125000	123693	-2	3.58	124712	3.50
Blue	E	FITC	14203	13811	-3	2.81	300	15.10
Blue	D	PE	25703	25349	-2	2.50	549	10.51
Blue	B	PerCP-Cy5-5	42104	41551	-2	3.23	927	14.69
Blue	A	PE-Cy7	34646	34597	-1	4.51	498	28.58
Red	C	APC	49824	49205	-2	3.07	1506	11.55
Red	A	APC-Cy7	39773	38689	-3	2.99	725	11.63
Violet	B	V450	7447	7146	-5	3.73	414	12.66
Violet	A	V500	31193	30148	-4	3.51	690	10.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21482	2.68	545	-11	N/A	N/A	Pass
Blue	F	SSC	55142	2.99	511	-1	N/A	N/A	Pass
Blue	E	FITC	54	53.22	482	-4	0.0410	78	Pass
Blue	D	PE	108	38.02	484	-1	0.3896	269	Pass
Blue	B	PerCP-Cy5-5	182	33.95	576	-1	0.0186	0	Pass
Blue	A	PE-Cy7	114	63.28	620	0	0.0232	7	Pass
Red	C	APC	351	23.96	567	0	0.0271	78	Pass
Red	A	APC-Cy7	201	24.42	542	-2	0.0064	755	Pass
Violet	B	V450	89	43.31	449	0	0.0489	1993	Pass
Violet	A	V500	121	34.59	467	0	0.0267	1884	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.01	-31.81	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	20.87	15.99 - 23.99	N/A	N/A	30.22	30.46	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10768

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments